NC/QC/PD/2018-19/PM-C1 Date: 04-04-2018

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Development of Park and other Improvement Work in Sy.No.33 of Mallasandra in ward No-13.}
Ref.: Material testing/QC/17-18,
Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Technical Manager, KRIDL.

PHYSICAL TESTS ON CEMENT

Brand : ACC
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**153 min**	Shall not be less than 30 min
2	Final setting time	**238min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.18 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.26 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**29.86 N/Sq mm**	Shall not be less than 27 N/Sqmm

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Asst. Executive Engineer
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For Newzen Consultants Bangalore
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NC/QC/PD/2018-19/PM-PCC1 Date: 04-04-2018

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for M-10 grade concrete .

{Project*: Development of Park and other Improvement Work in Sy.No.33 of Mallasandra in ward No-13.}

Ref.: Material testing/QC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

1. COARSE AGGRGATES Table - SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**98.15**	85-100	95 – 100
20mm	**64.30**	0 -20	30- 70
10mm	**27.90**	0 -5	10- 35
4.75mm	**Nil**	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone –III	
04.75	**96.50**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**75.30**	60-95	75-100	85-100	
01.18	**62.45**	30-70	55-90	75-100	
600. mic	**46.15**	15-34	35-59	60-79	
300.mic	**23.05**	5-20	8-30	12-40	
150.mic	**5.10**	0-10	0-10	0-10	

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NC/QC/PD/2018-19/PM-C2 Date: 09-04-2018

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Development of Park and other Improvement Work in Sy.No.33 of Mallasandra in ward No-13.}
Ref.: Material testing/QC/17-18,
Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Technical Manager, KRIDL.

PHYSICAL TESTS ON CEMENT

Brand : ACC
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**152 min**	Shall not be less than 30 min
2	Final setting time	**232 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.13%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.09 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**29.12 N/Sq mm**	Shall not be less than 27 N/Sqmm

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NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/PD/2018-19/PM-PCC2

Date: 09-04-2018

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for M-10 grade concrete .
{Project*: Development of Park and other Improvement Work in Sy.No.33 of Mallasandra in ward No-13.}
Ref.: Material testing/QC/17-18,
Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Technical Manager, KRIDL.

1. COARSE AGGRGATES Table - SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	97.60	85-100	95 – 100
20mm	54.30	0 -20	30- 70
10mm	25.20	0 -5	10- 35
4.75mm	4.05	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone –III	
04.75	95.60	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	86.25	60-95	75-100	85-100	
01.18	71.10	30-70	55-90	75-100	
600. mic	45.55	15-34	35-59	60-79	
300.mic	18.05	5-20	8-30	12-40	
150.mic	4.25	0-10	0-10	0-10	

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NC/QC/PD/2018-19/PM-SSM1 Date: 12-04-2018

1.TESTING OF STONE SAMPLE :

Sub: Testing of Size stone.

{Project*: Development of Park and other Improvement Work in Sy.No.33 of Mallasandra in ward No-13.}

Ref.: Material testing/QC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

Technical Reference: IS 1121(Part 1) -1974 (R.A on 1998)

Table 1.1 :

SL No	Details of Tests	Observed Value	Normal Values
01	Compressive Strength	**1350.00** Kg/ Sqcm	Not less than 1000.00 Kg/Sqcm
02	Water absorption,%	**0.38 %**	Not more than 2.0 %

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